

<b>Course number and name</b>	END 424 / Financial Management
<b>Credits, contact hours, categorization of credits</b>	3 credits / 42 hours / Engineering topic
<b>Instructor or course coordinator</b>	Kaya TOKMAKÇIOĞLU
<b>Text book and other supplemental materials</b>	<ul style="list-style-type: none"> <li>• Fettahoğlu, A. (2000), <i>Business Finance Principles</i>, İstanbul.</li> </ul>

<b>Course information</b>	
<b>Content</b>	The aim of this course is to understand the economic environment and risk concepts comparing advantages and disadvantages of external capital and owner's capital, to understand the short-term and long-term capital; leasing; cost of capital and capital structure concepts.
<b>Prerequisites</b>	END 222 Management Accounting or ISL 224 Cost Accounting
<b>Type</b>	Selected elective

<b>Course learning outcomes</b>
<p>Students who pass the course will:</p> <ul style="list-style-type: none"> <li>I. Understand the primary goal of financial management</li> <li>II. Define the relationship between financial accounting and finance</li> <li>III. Form financial plans</li> <li>IV. Define the relationship between risk and income</li> <li>V. Understand the time value of money and capital budgeting techniques</li> <li>VI. Have knowledge about the basics of valuing Stocks and Bonds</li> <li>VII. Understand working capital management</li> <li>VIII. Understand the basics of short term and long-term borrowing</li> <li>IX. Have knowledge about some financial techniques such as leasing and factoring.</li> </ul>

<b>Student outcomes</b>	<b>Level of contribution</b>
SO1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	Partial
SO2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.	Little
SO3. An ability to communicate effectively with a range of audiences.	Little
SO4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.	Little
SO5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.	Little
SO6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.	Little
SO7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	Partial

<b>Week</b>	<b>Topics</b>	<b>Learning outcome(s)</b>
1	Basic Concepts	I
2	Financial Derivatives	I, II
3	Liquidity & Financial Equilibrium	I, II
4	Measuring the liquidity	I, II, III
5	Measuring the liquidity	I, II, III
6	Finance & Risk	IV
7	Finance & Risk	IV
8	Capital Budgeting Techniques	V
9	Valuing Stocks and Bonds	VI
10	Working Capital Management	VII
11	Short-term credit	VIII
12	Long-term credit	VIII
13	Cost of Capital	IX
14	Leasing, Factoring	IX